We claim:

1.	A method	d of producin	g polyphospl	hazene r	nicrosphere	s comprisin	ng:		
		xing an aque				_	-	azene and	an
		ring the reacti			for an effec	tive period	of time to	form ther	eby
2.		nod of Claim					hazene and	said orga	mic
3.		nod of Claim		omprisi	ng adding v	vater or aq	ueous buffe	er solution	ı to
4.	The me	thod of Cla	aim 1, fur	ther co	mprising r	recovering	said poly	/phosphaz	ene
5.	The meth	od of Claim	1 wherein sa	id organ	ic amine is	spermine.			
6.	The	method o	f Claim	1	wherein	said	polyphosp	hazene	is

poly[di(carboxylatophenoxy)phosphazene].

- 7. The method of Claim 1 wherein said microspheres have diameters of from about $1\mu m$ to about $10 \mu m$.
- 8. A method of producing polyphosphazene microspheres containing material to be encapsulated comprising:
 - (a) admixing an aqueous solution containing a water-soluble polyphosphazene and an aqueous solution containing material to be encapsulated to form a reaction mixture;
 - (b) then admixing to said reaction mixture an aqueous solution containing an organic amine, or a salt thereof;
 - (c) allowing the reaction mixture to stand for an effective period of time to form thereby polyphosphazene microspheres;
- 9. The method of Claim 8 wherein said material is a biologically active material selected from the group consisting of proteins, biologically active synthetic compounds, nucleic acids, polysaccharides, and antigens.
- 10. The method of Claim 9 wherein said antigen is derived from organisms selected from the group consisting of rotovirus, measles, mumps, rubella, polio, hepatitis A, hepatitis B, herpes virus, human immunodeficiency virus, influenza virus, *Haemophilus influenza*, *Clostridium tetani*, *Corynebacterium diphteria*, and *Neisseria gonorrhea*.

11. A vaccine comprising the polyphosphazene microspheres made by the methods of claims 8, 9, or 10.